Personal Information:

My full name is Lê Ngọc Nguyên Thuần, my student number is s3877961, and my email is s3877961@rmit.edu.vn. I was born in Viet Nam. I follow my family religion of Buddhism. I graduated from high school, and I am attending RMIT university. Since RMIT is an international school, I can speak two languages English and Vietnamese. Some facts about myself are I love animals, and I usually play with cats in RMIT. I typically learn about IT or go to the gym when I have free time. Moreover, I am a big fan of martial I'm following a Muay Thai course in district 7 art. Also, motorbike is one of my hobbies, especially classic bike like XSR 155. In IT industry, I am full of passion for AI developer because I was inspired by Mark Elliot Zuckerberg. He is a genius in IT. Mark is known for co-founding Facebook. Moreover, he created an AI system to control his house. His AI can turn on and off the light or music by recognizing his family's voice. This gave me a lot of motivation in AI. However, my experience in IT is still very lacking because I started to learn IT quite late.

Ideal Job:

AI Developer is my ideal job because my dream is become an AI developer. Moreover, I have some reasons why I want this job. Firstly, it is related to AI technology which is I very like. Working here will bring me much knowledge and experience to make an AI for myself in the future. Secondly, it is a well-paid job. AI development is one of the hottest IT jobs globally, which is very appealing to me. Thirdly, its requirement is related to what I am learning in RMIT, which is my advantage in this job. The last reason, my dream when I was still a child is having a career in IT in America.

Testing:

Testing is very necessary to check if the application work properly or not. It will bring good or bad results depend on how many times we test our project. So, we will have a test for every feature we make. Each feature is created will be testing right after finish. This will help us to know that the project is still track on the plan and if there are any mistakes, we can fix it immediately. Testing will take a lot of time, so we will do a test in parallel with working on the project. This will guarantee that the project can complete according to our schedule. The project succeeded when it can suggest different foods for different people. Our project is to control the nutrition for a person, it can also suggest for sick people. If it can give suggest meal for them depend on what they set up in the first time, are they allergic? Are they sick? How much is their weight? How old are they? That information will help the app to calculate customer BMR (Basal metabolic rate) and TDEE (Total Daily Energy Expenditure). This app will depend on that information to create their menu. The app will offer a complete nutritional menu according to international nutritional standards. After we finish all the main feature for the App, we will find someone to test it. First, we will find Mr. Duy because one of our members have seen Mr. Duy post on his story that he lost 7 kg after running for 2 months. We think he will be the suitable tester. Moreover, we are planning to find about 10 persons, who are normal persons, body building or someone are dieting or maybe some sick people. There is some requirement to become a tester, that is they need to know how to use healthy app, have some experience about nutrition and user interface. Those requirements will guarantee that we will have the best feedback from the tester.

Risk:

There can be some potential risks that come along with our project, but the first consideration is that we cannot learn or understand thoroughly how to use tools and technologies to create an application. Oracle Apex and other tools may take a considerable amount of time to master and build a good application. This is also the first time that we create an application, so there might be some drawbacks to the app. The app can be crack or not work properly on the mobile platform as we expected. Moreover, the biggest risk is the app cannot work smoothly. It might suggest too many calories for a person or wrong foods. Or the users cannot find the food suggestion. This will make a bad effect on both the users and our team. The hardest part is how it can suggest a different meal for each person. A database about foods is large and it includes various types, it is very hard to select which one will be used because some foods when combines will create toxic which is very dangerous. Furthermore, some people will not trust this app right away, this application needs to have a reliable license of the doctor. Because of that, we will need to have a doctor to give some pieces of advice about nutrition for this project.

Tools & Technologies:

We decided to use Oracle APEX to build an application. APEX is a low – code development platform that allows us to build apps with modern features and can be deployed everywhere. We can build a complicated app without a high level of coding experience and we can focus on the back–end of the application. And we will have no difficulty in getting used to this useful tool as some tutorials and videos give specific instructions to us. Our group members have used Oracle Apex in the Practical Database concept, so it will be easy for us to use this platform. This is a free platform, so there is no concern about the license requirement. We also use Pycharm to calculate the calories of foods for the app and use My SQL to create some popular foods database. Members of our group have experience in using PyCharm so we may not encounter many obstacles while creating the database. We are using RMIT email to log in to Pycharm, so we do not worry about the software licenses. To work together, we decided to use Github. This is a website that allows you to share your project and work with other people. Moreover, we will use canvas to design a picture for this application.

Landscape:

We have researched about similar products are available. There are a lot of apps which have nearly the same feature as our app, but only three of them are the most similar and have the highest rating. Those apps are Track, YAZIO, and MyFitnessPal. The food warehouse is rich and varied, you can add new dishes yourself. Especially is Track and MyFitnessPal, it has more than 800,000 different foods, and there are both European and Asian dishes. They have many amazing features, which make them become our competitors. However, Track only supports one language is English, so some users might find it hard to use. YAZIO also uses English as the main language but users can search for foods in Vietnamese but YAZIO's user interface is quite hard for new users to get used to it, and some important features are not free such as healthy recipes. About MyFitnessPal, it has both European and Asian dishes. Moreover, users can use both English and Vietnamese to search for foods or add them by themself. It also can calculate the calories you lose or gain if you use this menu. However, some of the information is not accurate, the user needs to do more research to find the right one. Those apps above have their strength and weakness. Our app can deal with this problem. Our app can support two languages English, Vietnamese. You do not need to create your menu by your self, our app will do it. You just need to input your body information, taste, and allergies. It will create your menu to follow your order to gain or lose weight.